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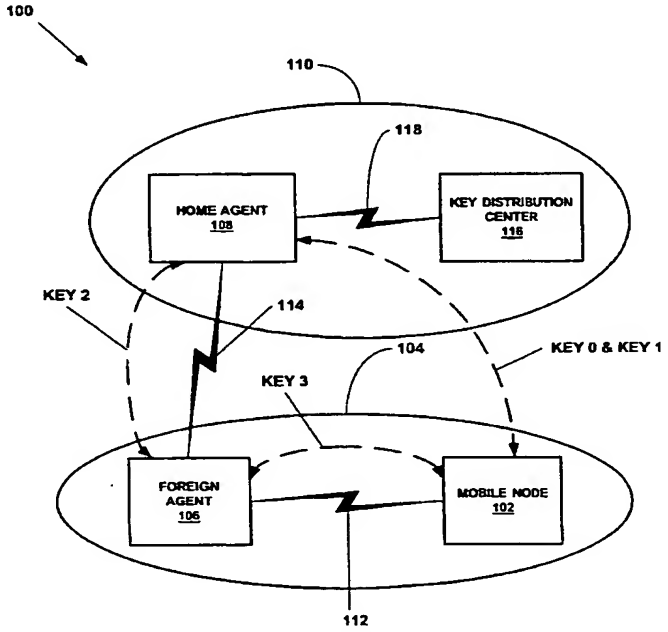
[Continued on next page]

(54) Title: KEY EXCHANGE FOR A NETWORK ARCHITECTURE



(57) Abstract: A key exchange for a network architecture. A mobile node that roams over a foreign domain transmits a registration request to a home domain using the foreign domain. The identity of the mobile node within the registration request is encrypted. The home domain receives the registration request and decrypts the mobile node identity. The home domain generates a registration reply that includes encryption keys for encrypting information to be transmitted between and among the home domain, the foreign domain, and the mobile node.

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INTERNATIONAL SEARCH REPORT

Int[illegible]ional Application No
P[illegible]S 00/27352

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L9/08 H04L29/06 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YAIR FRANKEL ET AL: "SECURITY ISSUES IN A CDPD WIRELESS NETWORK" IEEE PERSONAL COMMUNICATIONS,US,IEEE COMMUNICATIONS SOCIETY, vol. 2, no. 4, 1 August 1995 (1995-08-01), pages 16-27, XP000517586 ISSN: 1070-9916	1,16,31, 45-49
A	page 20, right-hand column, line 17 -page 23, line 50	2-15, 17-30, 32-44, 50-127
A	EP 0 912 026 A (LUCENT TECHNOLOGIES INC) 28 April 1999 (1999-04-28) page 16, line 5 - line 44 page 20, line 16 -page 23, line 20	1-127

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
17 April 2001	17/05/2001

Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

[redacted] International Application No
P[redacted]S 00/27352

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	JACOBS S ET AL: "SECURITY OF CURRENT MOBILE IP SOLUTIONS" NOV. 3 - 5, 1997,NEW YORK, NY: IEEE,US, 3 November 1997 (1997-11-03), pages 1122-1128, XP000792591 ISBN: 0-7803-4250-X	64,70, 76,82, 98-100, 106,109, 116,120, 124
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